

# [*CABLE SIGNAL DISTRIBUTION SYSTEM*]

## Abstract

A cable signal distribution system to allow the distribution of a digital cable signal in a building using the existing cable network in the building. The cable signal distribution system is a low cost system coupled with simple functionality. The cable signal distribution system splits the initial cable signal frequency range into two separate bands, a low band for operating cable television system-related equipment, and a higher frequency band used to create a Home Band Network of cable frequencies within the cable signal frequency range. The Home Band Network is used to transmit the channel tuned by the CATV digital set top box to existing analog Televisions in the building.